# BRUHATH BENGALURU MAHANAGARA PALIKE

**Yelahanka Division, Yelahanka Zone**

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

NO:BBMP/EE/YNK.D/EPMT-01/2020-21 Dt:02-5-2020

## APPROVED TENDER SCHEDULE –'B'

Item 13

Name of Work :-Asphalting to main road and cross road at Surabhi layout in Ward no-01 Kempegowda of Yelahanka sub division

| Sl | Description | Unit | Approved Qty | Rate quoted by the contractor approved rates Sri M RAVISH KUMAR ( MESSERS B MUNIKRISHNAPPA ) | |
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| | | | | Rate | Rate in Words |
| 1 | KSRRB M300-14: Excavation for roadwork in all types of soil by Mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, graded and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301. (P. No-143, I. No-19.14) | Cum | 128.47 | 125.59 | One Hundred TwentyFive Paise FiftyNine Only |
| 2 | KSRRB M300-19: Removal of unserviceable soil including excavation, loading replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specification No.301KBS (page No.144. item NO.19.2) | Cum | 248.40 | 36.04 | ThirtySix Paise Four Only |
| 3 | Removing & Refixing of stone slabs of drains and pointing in C.M (1:3) (Page No. 27. Item No. 5.33) | Sqm | 703.80 | 111.30 | One Hundred Eleven Paise Thirty Only |
| 4 | Providing and Fixing pre cast covering slab made of Cement Concrete 1:2:4 with 10cm thick and Finishing cutting, including form work, cost of all materials, labour, hire charges of Chinnery, loading, unloading, laid and lift, transportation etc., complete(Data Rate). | Sqm | 124.20 | 2337.00 | Two Thousand Three Hundred ThirtySeven Only |

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| | nstruction of granular sub-base Grading as Sub-Base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (Page No. 153. Item No.20.6) | Cum | 64.23 | 1855.00 | One Thousand Eight Hundred FiftyFive Only |
| 6 | KSRRB M400-17: Providing, Laying, Spreading and Compacting crushed stone aggregates of granite/ trap/ Basalt to wet mix macadam specifications including premixing the material with water at OMC in Mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406. (Page No. 155. Item No. 20.18) | Cum | 64.23 | 1160.00 | One Thousand One Hundred Sixty Only |
| 7 | KSRRB M500-6: Providing and Supplying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg /sqm using mechanical means complete as per specifications Clause 502 of MORTH Clause 502 of MORTH V revision (P.No-158, Item No. 21.6). | Sqm | 428.23 | 28.62 | TwentyEight Paise SixtyTwo Only |
| 8 | KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per Specifications. MORTH specification Clause 501. (Page No. 158. Item No. 2102) | Sqm | 2760.00 | 5.30 | Five Paise Thirty Only |

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| | SRRB M500-17: Providing and laying Dense Graded Bituminous Macadam using crushed aggregates of crushedaggregates of specified grading, premixed with VG30 grade bituminous binder and transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete in all respects complete as per specifications. MORTH Specification No,507. Using 100/120 TPH capacity HMP with sensor paver Gr-11 (50mm to 75mm) with 4.5% VG-30 Bitumen (Page No. 160) | Cum | 138.00 | 6789.30 | Six Thousand Seven Hundred EightyNine Paise Thirty Only |
| 10 | KSRRB 500-7: Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 0.25kg per sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 (Page No. 158. Item No. 21.7) | Sqm | 2760.00 | 12.72 | Twelve Paise SeventyTwo Only |
| 11 | Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. Do- using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 Bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) (Page No. 171. Item NO.21.78.12) | Cum | 110.40 | 7753.90 | Seven Thousand Seven Hundred FiftyThree Paise Ninety Only |

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| | Providing and fixing of retro reflectorized cautionary, and mandatory and informatory sign as per IRC-67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5mm thick supported on a mild steel angle iron post 75mm X 75mm X 6mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45cm X 45cm X 60cm below ground level as per approved. | Nos | 458.00 | 137.80 | One Hundred ThirtySeven Paise Eighty Only |
| 13 | KSRRB M800-4: Direction and Place identification Signs / Project information Board with size more than 0.9 sqm size Board:- Providing and erecting direction and place identification retro reflectorized sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 2mm thick with area not exceeding 0.9 sqm supported on a mild steel single angle iron post 75 X 75 X 6mm, 2Nos firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 X 45 X 60 | Sqm | 4.00 | 7567.34 | Seven Thousand Five Hundred SixtySeven Paise ThirtyFour Only |
| 14 | KSRRB M800-13: Road marking with Hot Applied 'Thermoplastic' Compound with Reflectorizing Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads at 250gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The Finished surface to be level , Uniform and free from streaks and holes complete as per Specifications.MORTH Specification NO.803 (P. No-182, I. No-24.15) | Sqm | 168.60 | 454.74 | Four Hundred FiftyFour Paise SeventyFour Only |

M/s. B. Munikrishnappa
Signature of the Contractor

Managing Partner

Executive Engineer
Yelahanka Division,
BBMP, Bengaluru-64.